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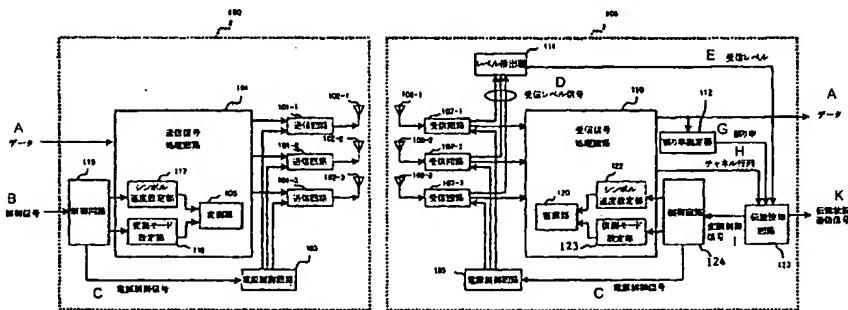
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(54) Title: RADIO COMMUNICATION DEVICE

(54) 発明の名称: 無線通信機



A.. DATA
B.. CONTROL SIGNAL
119.. CONTROL CIRCUIT
104.. TRANSMISSION SIGNAL PROCESSING CIRCUIT
117.. SYMBOL SPEED SETTING UNIT
118.. MODULATION MODE SETTING UNIT
105.. MODULATION UNIT
C.. POWER SUPPLY CONTROL SIGNAL
101-1.. TRANSMISSION CIRCUIT
101-2.. TRANSMISSION CIRCUIT
101-3.. TRANSMISSION CIRCUIT
103.. POWER SUPPLY CONTROL CIRCUIT
107-1.. RECEPTION CIRCUIT
107-2.. RECEPTION CIRCUIT
107-3.. RECEPTION CIRCUIT

111.. LEVEL DETECTOR
109.. POWER SUPPLY CONTROL CIRCUIT
D.. RECEPTION LEVEL SIGNAL
E.. RECEPTION LEVEL
G.. ERROR RATIO
H.. CHANNEL MATRIX
I.. MODULATION CONTROL SIGNAL
K.. PROPAGATION CONDITION COMMUNICATION SIGNAL
110.. RECEPTION SIGNAL PROCESSING CIRCUIT
120.. DEMODULATION UNIT
122.. SYMBOL SPEED SETTING UNIT
123.. DEMODULATION MODE SETTING UNIT
112.. ERROR RATIO MEASUREMENT UNIT
124.. CONTROL CIRCUIT
123.. PROPAGATION DETECTION CIRCUIT

(57) Abstract: A radio communication device includes a transmitter, a receiver, a propagation detector, and a symbol speed setting unit. The transmitter has a plurality of antennas, a plurality of transmission circuits, and a transmission signal processing circuit. The transmission signal processing circuit has a modulation unit for modulating inputted transmission data so as to generate a plurality of transmission signals and outputs them to a transmission circuit. The receiver has a plurality of antennas, a plurality of reception circuits, and a reception signal processing circuit. The reception signal processing circuit has a demodulation unit for demodulating the reception signal outputted from each of the reception circuits so as to generate reception data. The propagation detector detects the

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